ASSIGNMENT – 22(CHEMISTRY)   CLASS – 8

CHAPTER 1 – MATTER (REVISION)

1. The mass per unit volume of a substance is called density (density = mass/volume). Arrange the following in order of increasing density – air, exhaust from chimneys, honey, water, chalk, cotton and iron.
2. State the law of conservation of mass. Explain with an example.
3. In a reaction 5.3gm of sodium carbonate reacted with 6gm of ethanoic acid, the products were 2.2gm of carbon dioxide, 0.9gm of water and 8.2gm of sodium ethanoate. Show that, these observations are in agreement with law of conservation of mass.

   $Na_2CO_3 + CH_3COOH \longrightarrow CO_2 + H_2O + CH_3COONa$